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(54) **DISPLAY DEVICE AND METHOD OF CONTROLLING ITS BRIGHTNESS**

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(57) **ABSTRACT**

A temperature difference estimated value is found from a video signal using a temperature estimated value representing the temperature of the panel outer periphery of a display screen of a PDP and a reference value representing the temperature of the panel outer periphery of the PDP which is outputted from a panel periphery temperature setter by a temperature difference estimator, and the luminance of an image displayed on a display is controlled depending on the temperature difference estimated value by a controller and a brightness controller.

8 Claims, 18 Drawing Sheets

